

**FIG. 1**  
**(PRIOR ART)**

0981406-04001

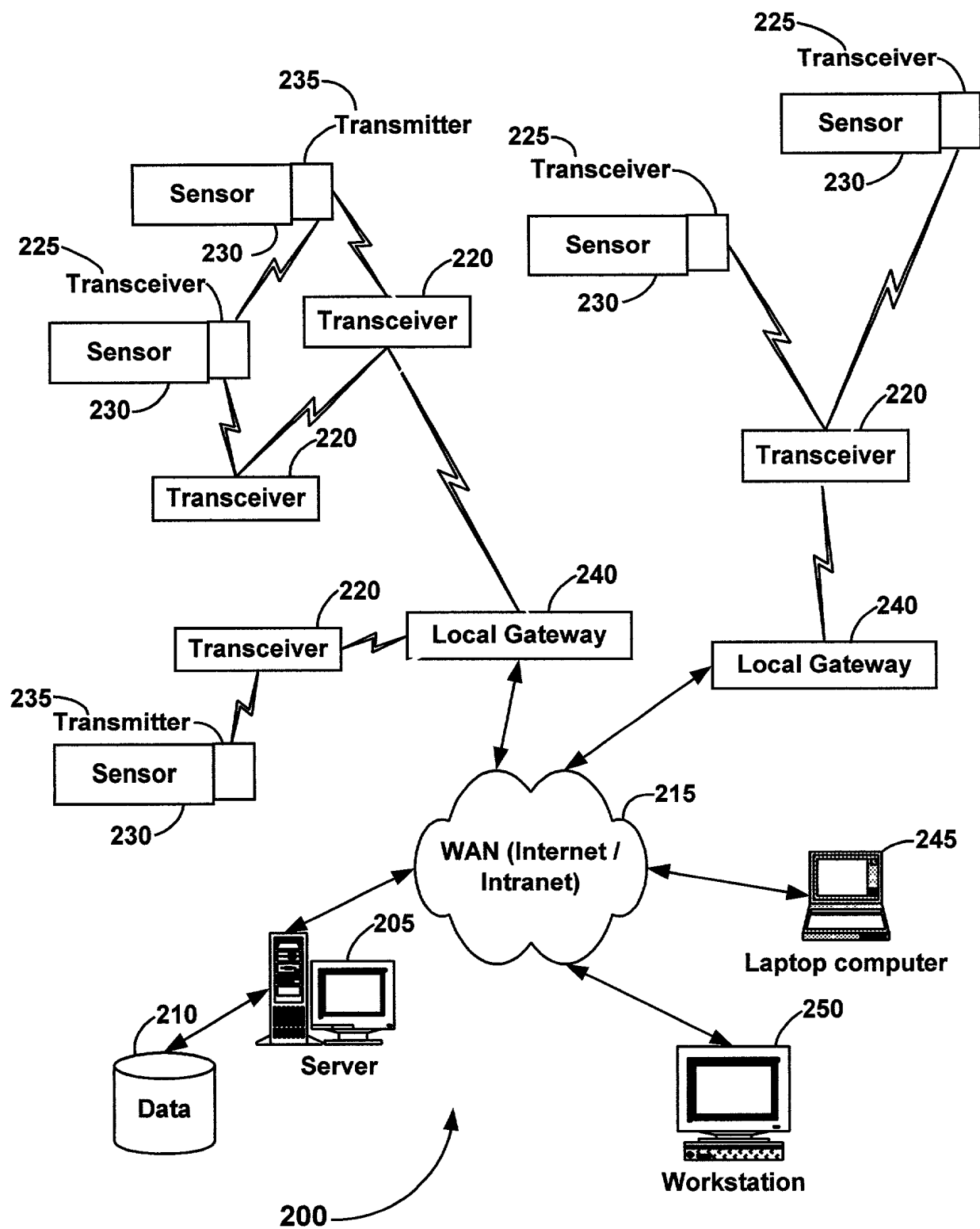
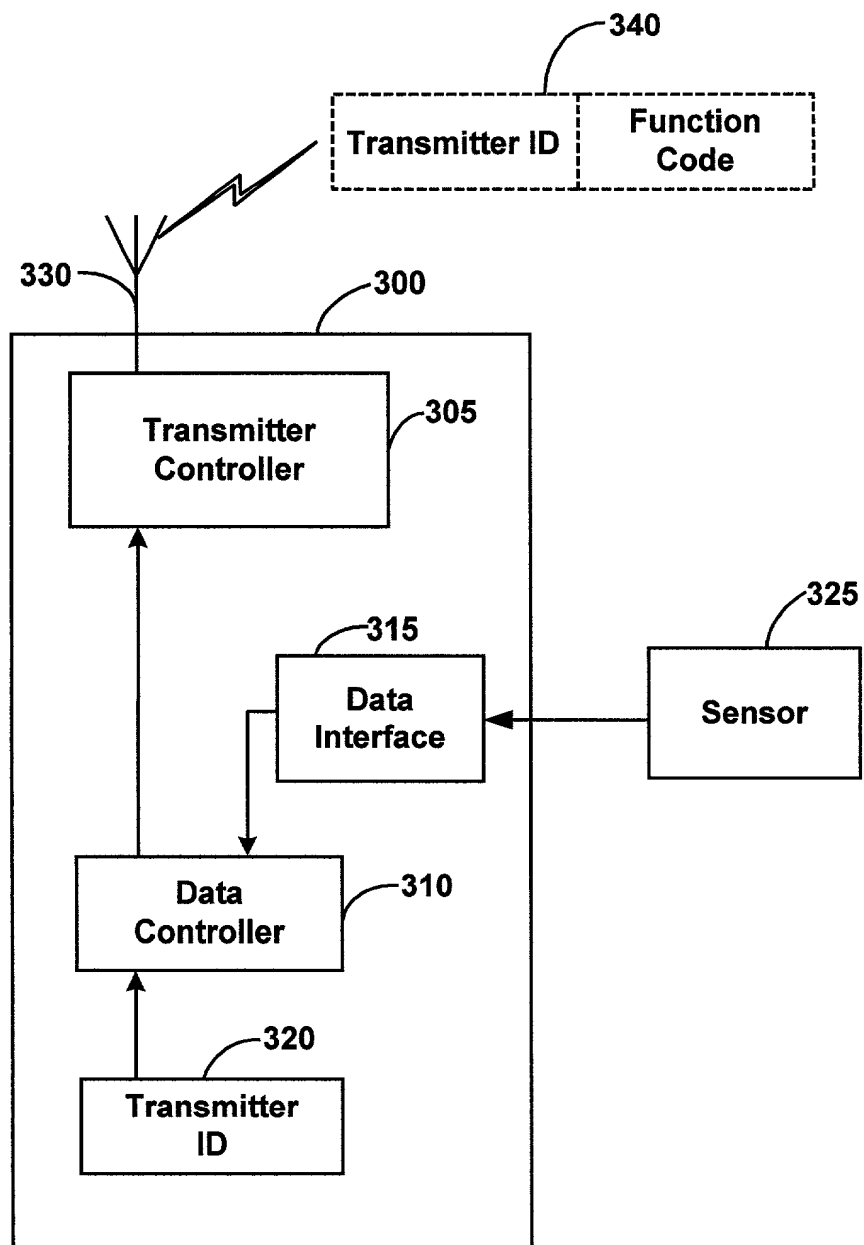
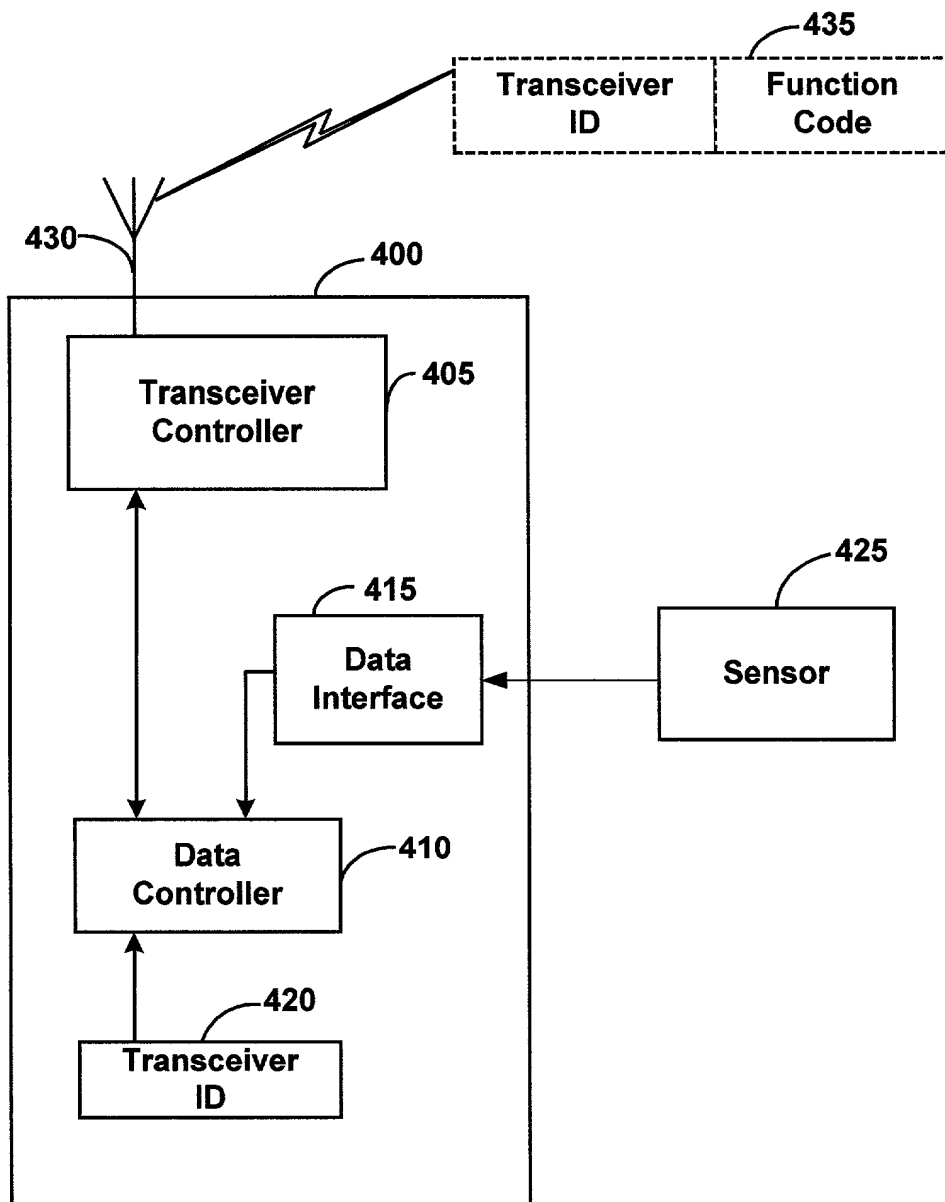


FIG. 2



**FIG. 3**



**FIG. 4**

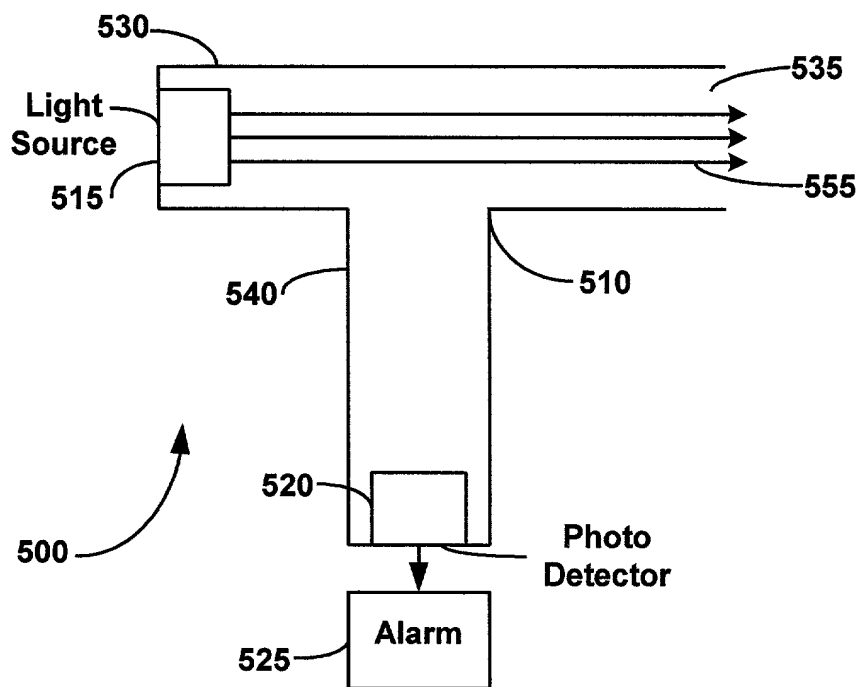


FIG. 5A

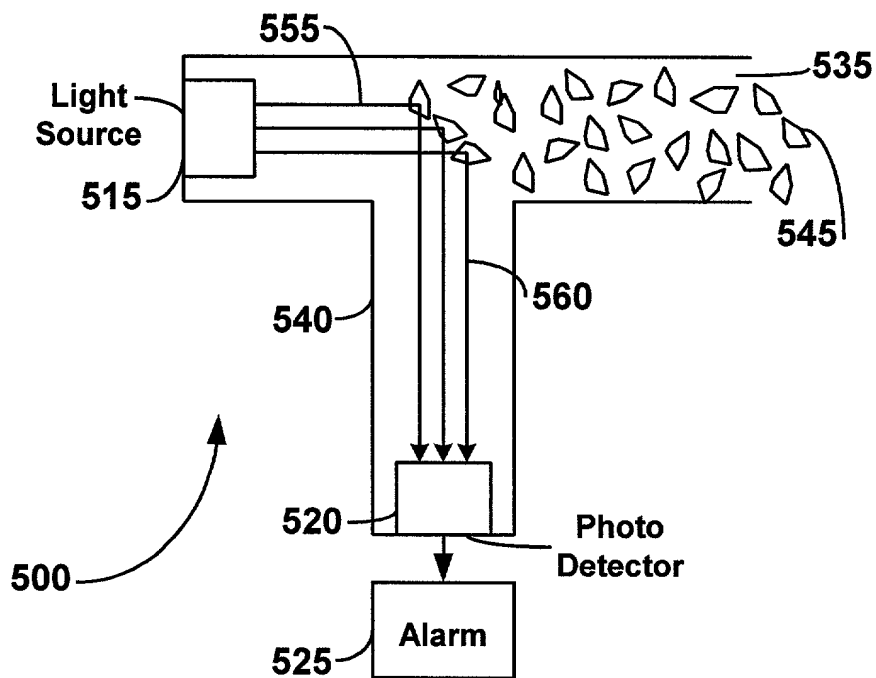


FIG. 5B

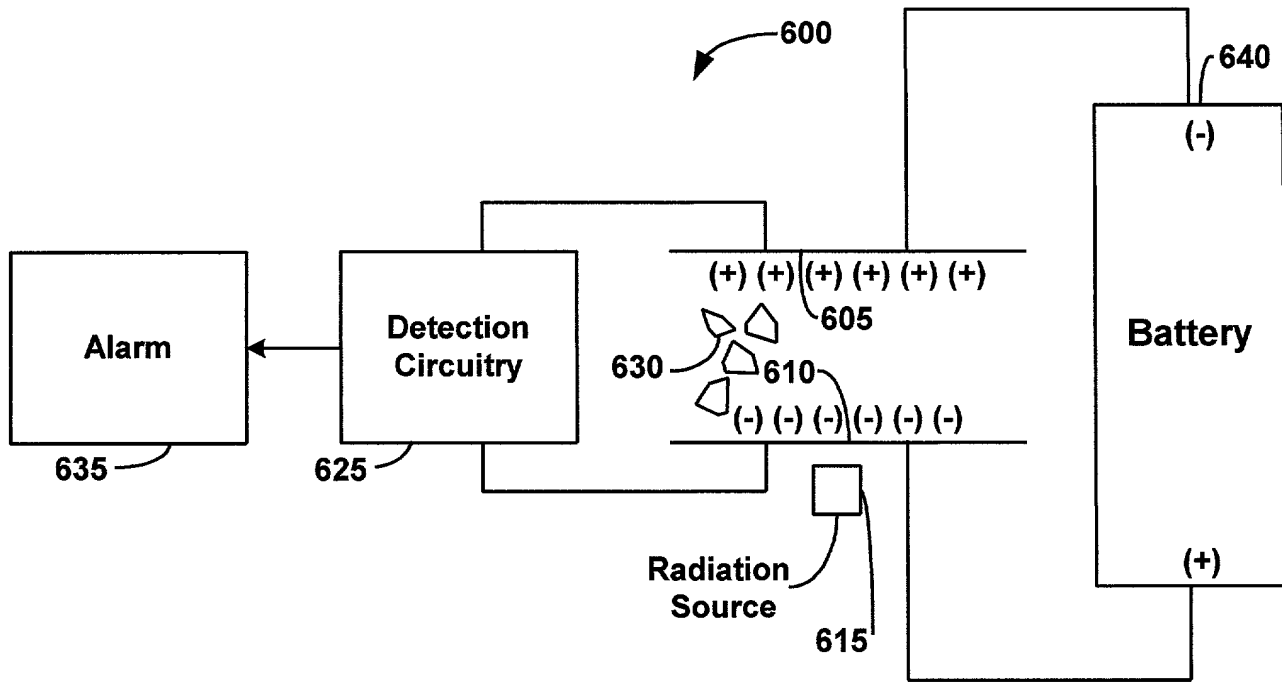
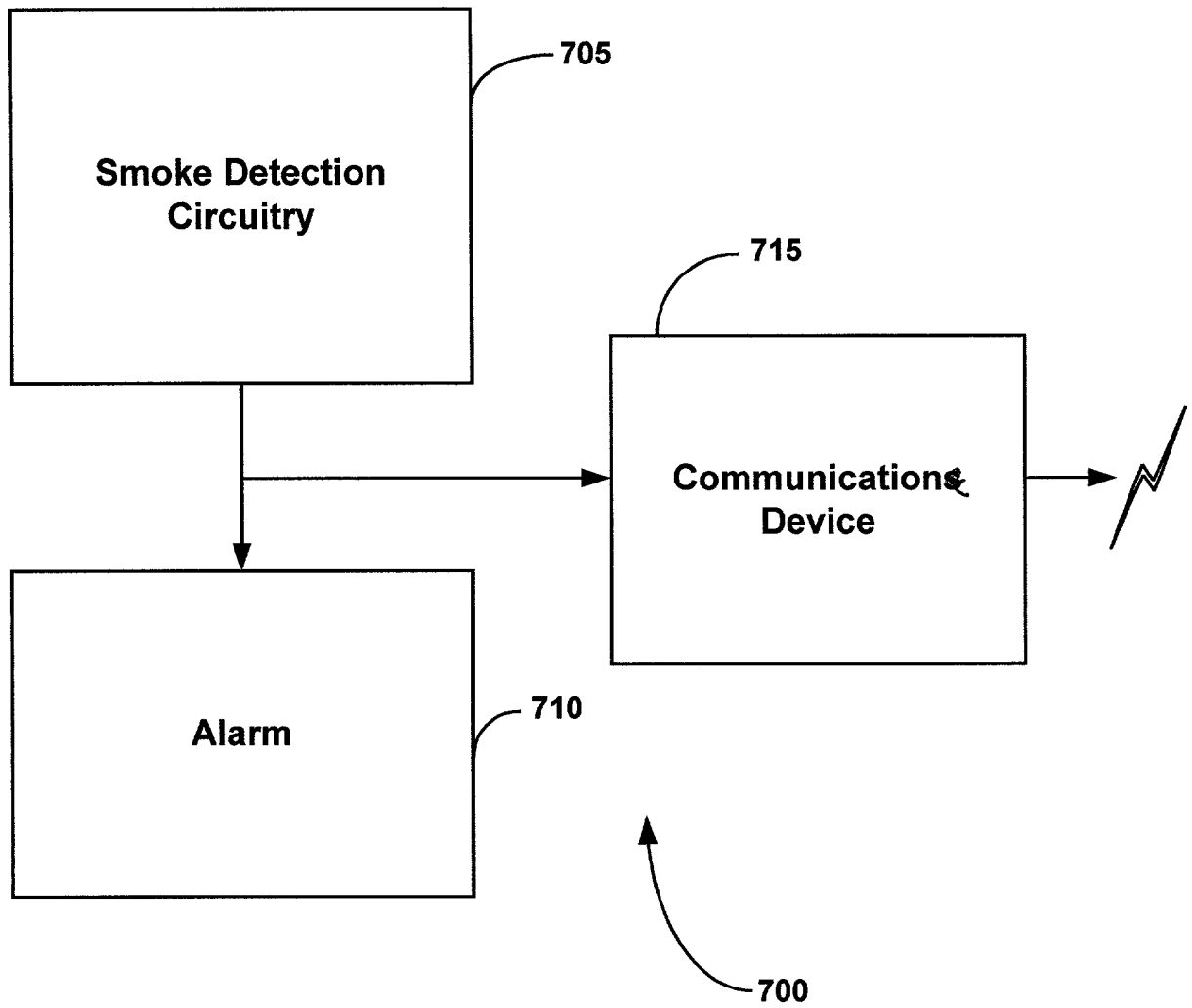
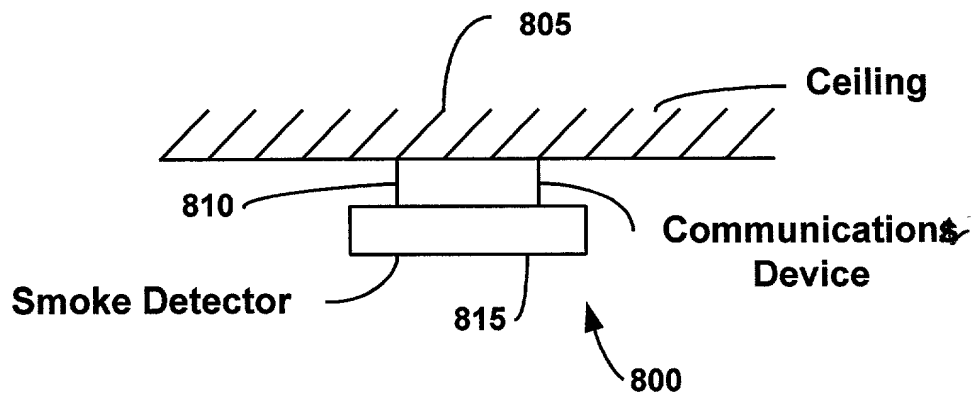


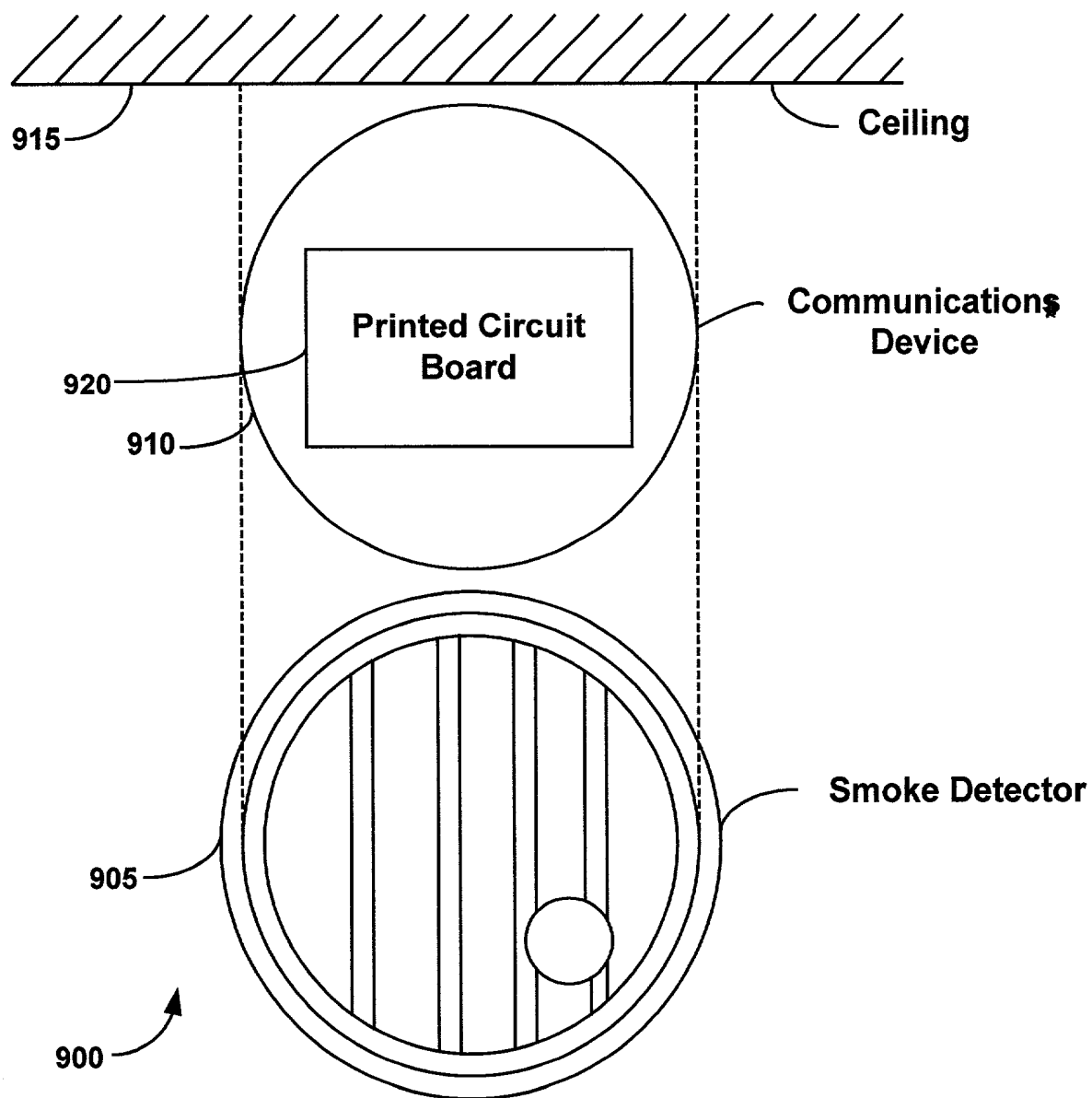
FIG. 6



**FIG. 7**



**FIG. 8**



**FIG. 9**



FIG. 10A

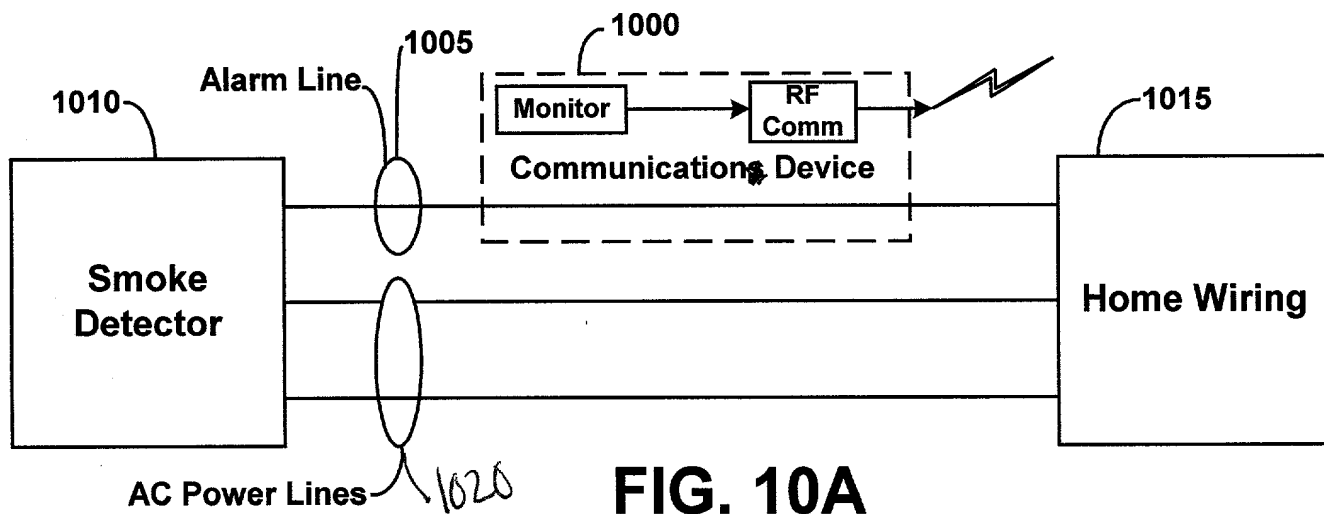


FIG. 10A

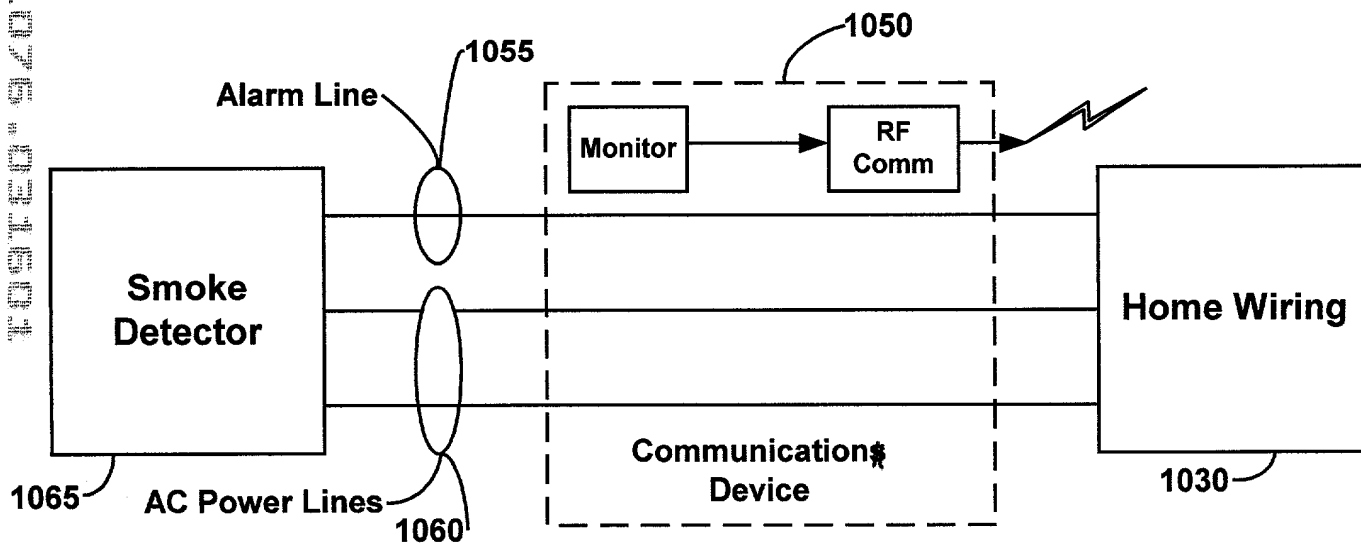
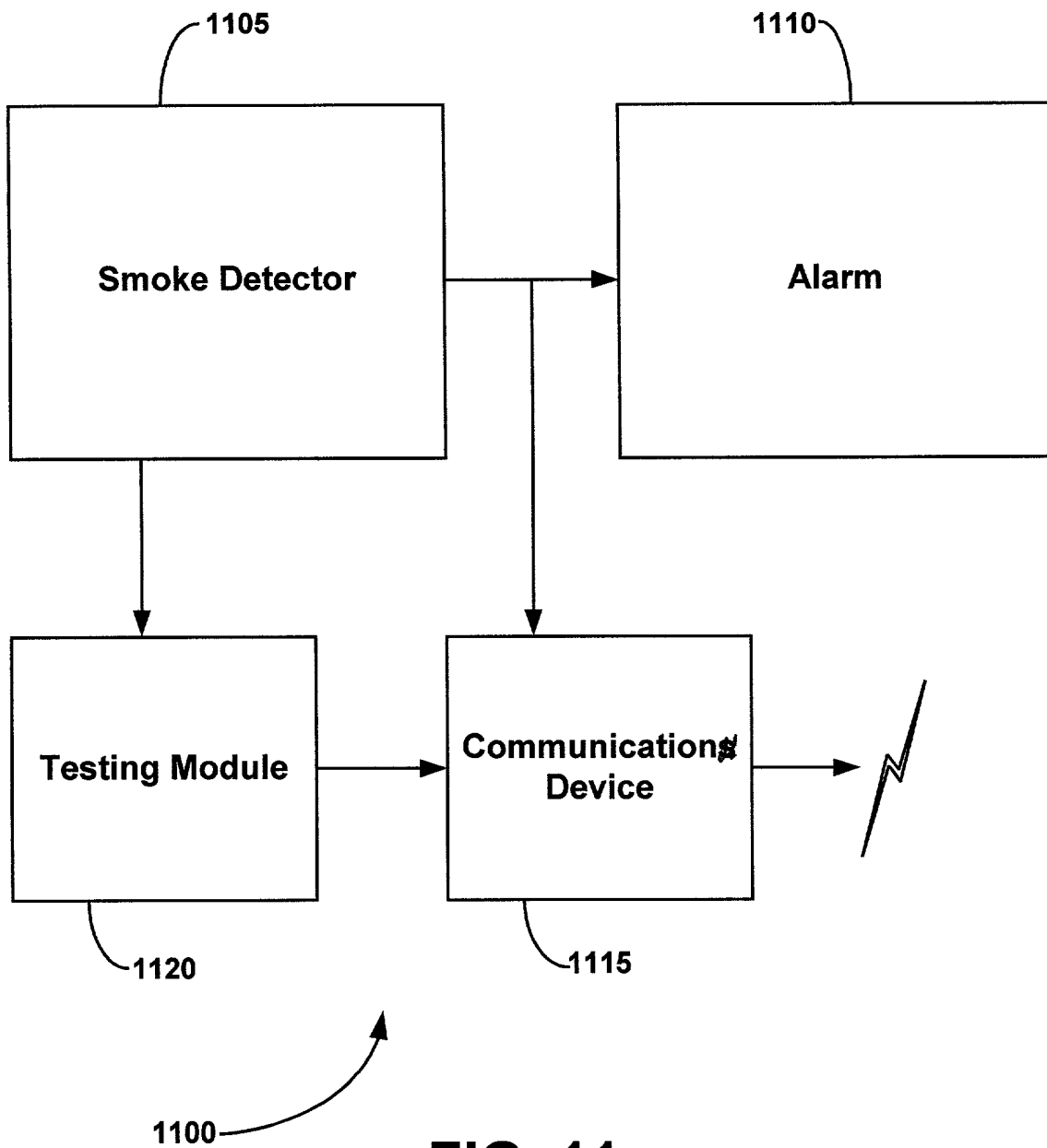


FIG. 10B



**FIG. 11**

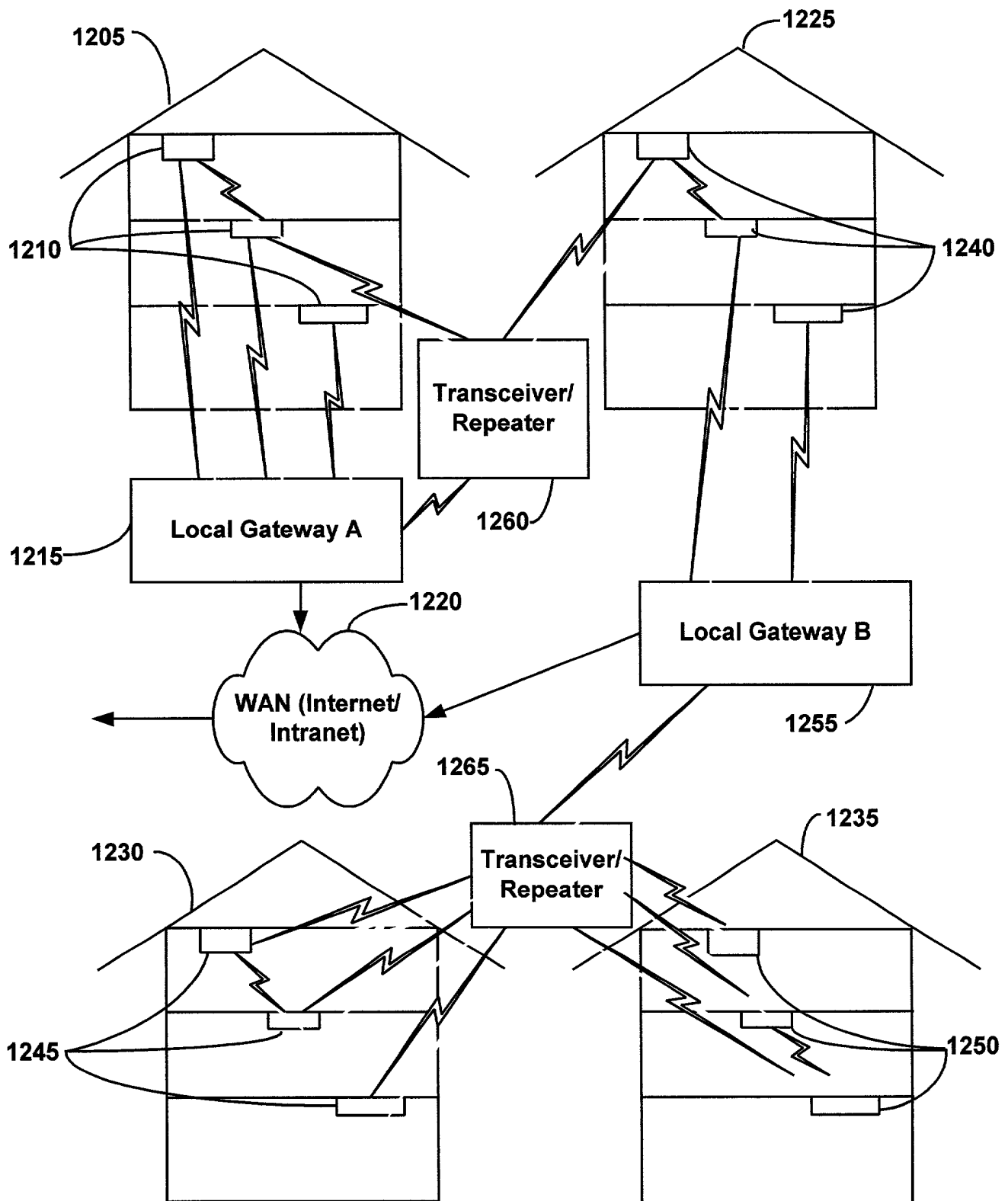
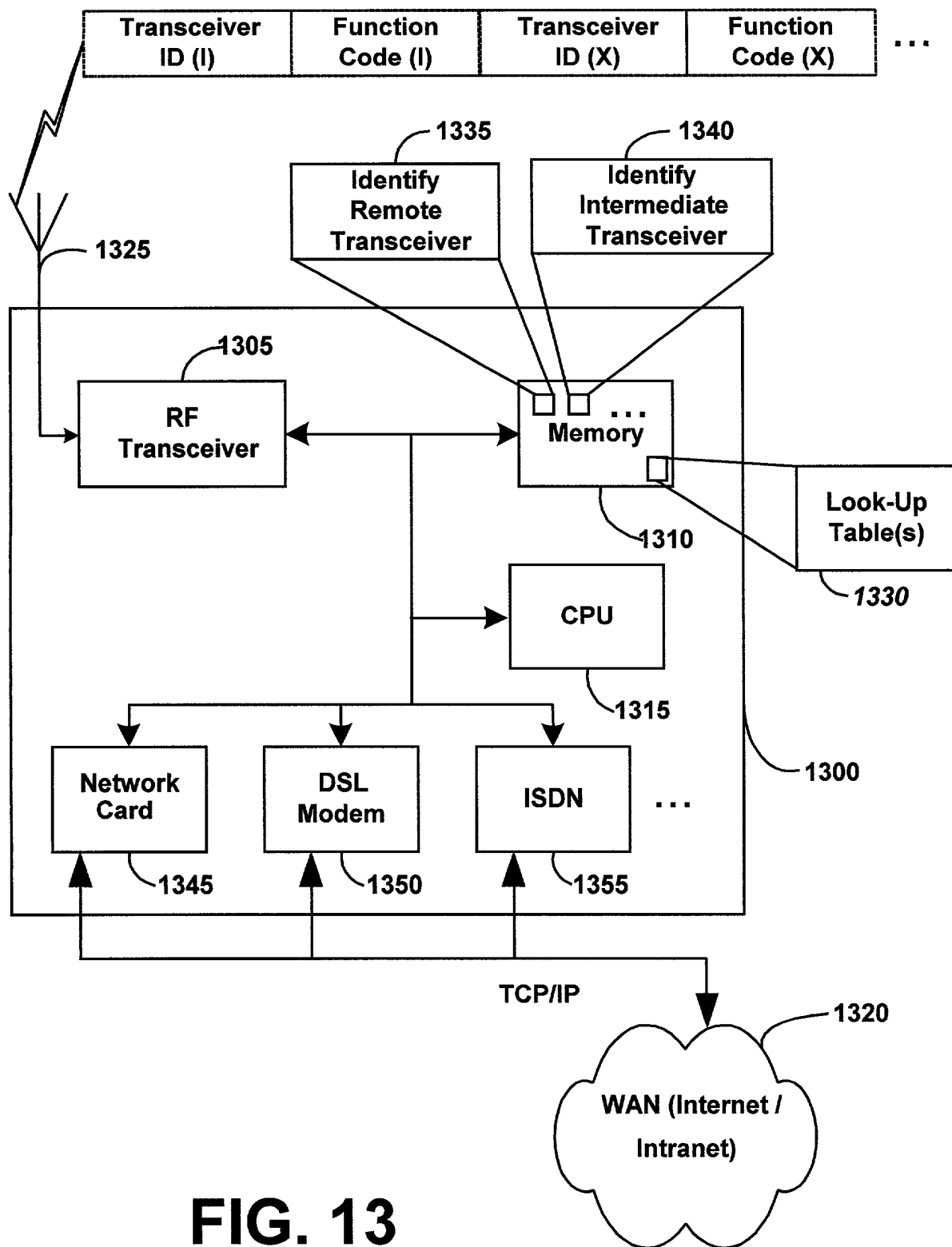


FIG. 12



**FIG. 13**

**FIG. 14** MESSAGE STRUCTURE

To Addr. (1-6)	From Addr. (6)	Pkt. No. (1)	Pkt. Max. (1)	Pkt. Lngth. (1)	Cmd. (1)	Data (0-109)	CkH (1)	CkL (1)
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## Sample Messages

Central Server to Personal Transceiver - Broadcast Message - FF (Emergency)

Byte Count = 12

To Addr. (FF)	From Addr. (12345678)	Pkt. No. (00)	Pkt. Max. (00)	Pkt. Lngth. (0C)	Cmd. (FF)	CkH (02)	CkL (9E)
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First Transceiver to Repeater (Transceiver)  
Broadcast Message - FF (Emergency)

Byte Count = 17

To Addr. (F0)	From Addr. (12345678)	Pkt. No. (00)	Pkt. Max. (00)	Pkt. Lngth. (11)	Cmd. (FF)		CkH (03)	CkL (A0)
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Data  
(A000123456)

Note: Additional Transceiver Re-Broadcasts do not change the message.  
The messages are simply received and re-broadcast.

Message to Device "A0" From Device "E1" Command - "08" (Respond to PING)  
Response will reverse "To" and "From" Addresses

Byte Count = 17

To Addr. (A012345678)	From Addr. (E112345678)	P # (00)	P Max. (00)	P Lngth. (11)	Cmd. (08)	Data (A5)	CkH (04)	CkL (67)
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**FIG. 15**